

## SPECIAL PAPERS ON GENERAL METEOROLOGY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

**Bavaria. K. Bayerische meteorologische Central-Station.**

Deutsches meteorologisches Jahrbuch, 1912: Bayern, Jahrgang 34. München. 1913. var. pag. 4°.

**Bombay. Meteorological Office.**

Rainfall of the Bombay presidency for years previous to 1891, vol. 2. Bombay. 1912. [viii], 971 p. f°.

**Bouyoucos, George J.**

An investigation of soil temperature and some of the most important factors influencing it. East Lansing, Mich. 1913. 196 p. illus. 8°. (Michigan agricultural experiment station. Technical bulletin 17.)

**Carpenter, Ford A.**

Frost and frost warnings. n. p. [1913.] 7 p. 16°. (Reprinted from: California cultivator, June 26, 1913.)

**Coimbra. Observatorio meteorológico.**

Observações meteorológicas, magnéticas e sísmicas, 1912. Coimbra. 1912. viii, 158 p. f°.

**Ekhholm, Nils.**

Das Wetter auf der Nordsee während der ersten Hälfte von Juni 1911—Einige Wünsche betreffs der meteorologischen Beobachtungen zukünftiger hydrographischer Expeditionen. Copenhagen. 1913. 33 p. illus. 8°. (International council for the exploration of the sea. Publications de circonstance, 64.)

**France. Bureau central météorologique.**

Annales, année 1908, I—Mémoires. Paris. 1912. xi, 177 p. f°. Annales, année 1910, III—Pluies. Paris. 1913. [xiv], 144 p. f°.

**Franz, Gottfried Karl.**

Die Phaenologie des Winterroggens in Niederschlesien, Schleswig-Holstein und Mecklenburg. Halle a. d. S. 1913. 82 p. 4 maps. 8°. (Aus Archiv des Vereins der Freunde der Naturgeschichte in Mecklenburg, 67.)

**Great Britain. Royal observatory, Greenwich.**

Results of the magnetical and meteorological observations, 1911. London. 1913. var. pag. f°.

**Hellmann, Gustav.**

Regenkarte der Provinzen Brandenburg und Pommern sowie der Grossherzogtümer Mecklenburg-Schwerin und Mecklenburg-Strelitz. 2. vermehrte Auflage. Berlin. 1913. 31 p. 2 pl. 4°.

Regenkarte der Provinz Sachsen und der Thüringischen Staaten. 2. vermehrte Auflage. Berlin. 1913. 27 p. 2 pl. 4°. (Veröffentl. d. königl. preuss. meteorol. Institut, Nr. 261, 262.)

**Hewett, Edgar Lee, & others.**

The physiography of the Rio Grande valley, New Mexico, in relation to Pueblo culture. Washington. 1913. 76 p. illus. 8°. (Smithsonian Institution. Bureau of American ethnology. Bulletin 54.) [The local climate and evidences of climatic changes are discussed on pp. 41-70.]

**Hill, Leonard, & others.**

The influence of the atmosphere on our health and comfort in confined and crowded places. Washington. 1913. [ii], 96 p. 8°. (Smithsonian misc. coll., vol. 60, no. 23. Publication 2170.)

**Hillers, W.**

Ueber eine leicht beobachtbare Luftspiegelung bei Hamburg und die Erklärung solcher Erscheinungen. (In Unterrichtsblätter f. Mathematik u. Naturwissenschaften, Berlin, 1913. Jahrg. 19, No. 2. p. 21-38. 4°.)

**Hungary. K. Ungarische Reichsanstalt für Meteorologie und Erdmagnetismus.**

Jahrbücher, 39. Band, Jahrgang 1909. Budapest. 1911-1912. var. pag. f°.

**Ihne, E.**

Phaenologische Mitteilungen, Jahrgang 1912. Darmstadt. 1913. 43 p. 8°.

**International council for the exploration of the sea.**

Bulletin hydrographique pour l'année juillet 1911-juin 1912. Copenague. [1913] var. pag. f°.

**Jex-Blake, A. J.**

Death by electric currents and by lightning. The Goulstonian lectures for 1913, delivered before the Royal college of physicians of London. London. 1913. [vi], 55 p. 8°. (Reprinted from: Brit. med. jour., March, 1913.)

**Mizusawa. International latitude observatory.**

Annual report of the meteorological and the seismological observations, for 1912. Mizusawa. 1913. [2], 38 p. 4°.

**Nodon, Albert.**

L'état actuel de nos connaissances sur la prévision du temps. Dax. 1913. 15 p. 8°.

**Ofia (Spain). Colegio Maximo de la Compañia de Jesus. Observatorio meteorológico por Briviesca.**

Observaciones meteorológicas, 1912. Ofia. 1913. 32 p. 8°.

**Palazzo, Luigi.**

Del servizio meteorologico nelle nostre colonie. Roma. 1911. [ii], 17 p. 8°. (Istituto coloniale italiano. Secondo Congresso degli Italiani all'estero. Sezione 8, tema 12.)

**Pyrénées-orientales. Commission météorologique.**

Bulletin météorologique annuel, 1910. Perpignan. n. d. 53 p. 4°.

**San Fernando. Instituto y Observatorio de Marina.**

Anales. Sección 2: Observaciones meteorológicas, magnéticas y sísmicas, 1912. San Fernando. 1913. viii, 163 p. f°.

**Sresnewsky, B.**

Bericht über die Ergebnisse der Beobachtungen für das Liv-Est-Kurländische Regenstationennetz. 25-jährige Mittelwerte der Niederschlagsmenge, Anzahl der Niederschlagstage und Temperatur für den Zeitraum 1886-1910. [Dorpat. 1913.] ix, 64 p. 2 pl. 8°. (Herausgegeben von der Kaiserl. Livländs. Gemeinnützigen u. Ökonom. Soc.)

**Sandström, J. W.**

Eine meteorologische Forschungsreise in dem Schwedischen Hochgebirge. Uppsala, etc. 1913. 50 p. 4 pl. f°. (Kungl. Svenska vetenskapsakad. handlingar, Bd. 50, No. 9.)

**Yurief [Dorpat]. University. Meteorological observatory.**

Meteorologische Beobachtungen, 1912. Iutef. 1913. [1], 91 p. 8°. [Russian and German.]

## RECENT PAPERS BEARING ON METEOROLOGY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

**Aeronautical journal. London. v. 17. July, 1913.**

Jones, B. Melvill. The measurement of wind velocity. p. 191-198.

**American academy of arts and sciences. Boston. v. 48. September, 1913.**

Ward, R[obert] DeC. Abbott Lawrence Rotch. p. 807-813.

**American society of civil engineers. New York. v. 39. August, 1913.**

Justin, Joel D. Derivation of run-off from rainfall data. p. 1211-1228.

**British rainfall. London. v. 52. 1912.**

The great rainstorm of August 25th-26th, 1912. p. 28-47.

Salter, Carl. The wettest summer in England and Wales. p. 48-55.

The "Seathwaite" pattern of rain gauge. p. 56-58.

**Cairo scientific journal. Alexandria. v. 7. July, 1913.**

Keeling, B. F. E. The thermometric standard of the Khedivial observatory. p. 153-156.

**Electrical world. New York. v. 62. August 30, 1913.**

Radio-telegraphy and clouds. p. 411.

Taylor, A. H. Wireless and weather. p. 425-427.